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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kuang et al.

Serial No: 09/865,100

Group Art Unit: 2834

Filed: 05/24/2001

Examiner: J. Waks

Title: HYBRID ELECTRIC VEHICLE CONTROL WHILE TRAVELING  
IN REVERSE

☒ **CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. § 1.8(a))**

I hereby certify that this correspondence is, on the date shown below, being:

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Jan. 24, 2002  
Date

Donna Seibert  
Donna Seibert

☐ **PETITION AND FEE FOR EXTENSION OF TIME (37 CFR 1.136(a))**

1. This is a petition for an extension of time to respond to the Office Action mailed \_\_\_\_\_ requesting a two-month extension of time.

2. Applicant is other than a small entity.

3. Extension (Months)

- ☐ one month  
☐ two months  
☒ three months  
☐ four months

**Fee For Other Than Small Entity**

\$110.00  
\$380.00  
\$870.00  
\$1,360.00

4. Amendment is filed herewith.

5. Please charge fee to Deposit Account 06-1510. If there are insufficient funds in this account, please charge the fees to Deposit Account No. 06-1505.



Assistant Commissioner for Patents  
Washington, D.C. 20231

AMENDMENT UNDER 37 C.F.R. 1.111

Sir:

Applicants respectfully request a three-month extension of time to respond to the Office Action dated July 24, 2002. Please enter the amendments and remarks provided below.

IN THE ABSTRACT:

Please replace the Abstract with the Abstract of the Disclosure provided herein.

IN THE CLAIMS:

Please cancel claims 1-15 and add new claims 16-20.

16. (New) A method for reverse drive mode operation of a hybrid electric vehicle, the hybrid electric vehicle having a traction motor and an operating internal combustion engine and operating generator mechanically coupled via a power transmission device, the method comprising:

determining an output power of the internal combustion engine;

determining a power circulation loss between the generator and the motor;

determining a benefit power based on the difference between the output power of the internal combustion engine and the power circulation loss; and

stopping operation of the internal combustion engine during the reverse drive mode operation of the vehicle if the benefit power is less than a predetermined threshold power value.

17. (New) The method according to claim 16, wherein if the benefit power is greater than or equal to the

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